## **EAST Search History**

## EAST Search History (Prior Art)

Ref#	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	14822	(257/213,347,366,401.0QLS, OR 438/149,151,157,164,283,284.0QLS.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/16 11:41
L2	798	1 and (fin\$1fet\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/16 11:42
L3	100	2 and (dummy)  US-RGPUB; USPAT; USOR: FPRS; EPO, JPO; DETWIENT; DB   TDB    ["6611029"   "6642090"   "6645797").PN.   US-RGPUB; OR ON		ON	2009/12/16 11:42	
L7	8	("6611029"   "6642090"   "6645797").PN. OR ("6756643").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/16 11:45
L8	5	("6611029"   "6642090"   "6645797"   "6689650").PN. OR ("6812076").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/16 11:46
L9	134	2 and (fin with (dummy or assist\$3 or sacrificial\$3))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/16 11:49
L10	95	(7 or 8 or 9) not 3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/16 11:49
L14	4096	Yamagami-Shigeharu\$.in. Wakabayashi- Hitoshi\$.in. Takeuchi-Kiyoshi\$.in. Ogura- Kasushi\$.in. Tanaka-Masayasu\$.in. Nomura- Masahiro\$.in. Takeda-Koichi\$.in. Tatsumi- Toru\$.in. Watanabe-Koji\$.in. Terashima- Koichi\$.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/16 11:58
L17	4	(fin with type with fet\$1) and 14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/16 12:01
L18	19	(fin with type) and 14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/16 12:02

L25	316	(fin\$fet\$1 or (fin with type with M\$FET\$1)) and (fin\$1 with (dummy or dummies or sacrificial\$3))	US-PGPUB; USPAT; USOCR; FPPS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/16 12:17
L26	134	25 and ((surround\$3 or clos\$3 or encompass\$3) with (fin\$1 or layer\$1))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/16 12:30
L27	117	26 not 3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/16 12:31
L28	70	27 not 9	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/12/16 12:31
S14	1360	(((bar\$1 OR fin\$1 OR fin\$1et) near2 (encapsulat\$3 OR protect\$3 OR surround\$3 OR isolate OR protect) AND ((@pd<="20040319" OR @ad<="20040319" OR (@flad<="20040319") ) AND ("438",CLAS, OR "257",CLAS,)	US-PGPUB; USPAT; USOCR; FPPS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/07 09:45
S15	101	S14 and dummy	US-PGPUB; USPAT; USOCR; FPPS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/07 09:55
S33	49	((CMP with fin) AND (@pd<="20040319" OR @ad<="20040319" OR @ilad<="20040319")) AND ("438".CLAS OR "257".CLAS.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 07:16
S37	4	((CMP same (fin near3 (lines or array))) AND (@pdc = "20040319" OR @adc = "20040319" OR @iladc = "20040319") AND ("438".CLAS OR "257".CLAS.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 07:21
S39	39	(((fin near electrically) AND (@pdc="20040319" OR @adc="20040319" OR @fladc="20040319") AND ("438".CLAS. OR "257".CLAS.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 07:52

S45	26	(((fin or pillar) near (non\$1electrically or passive or dummy)) AND (@dc = "20040319" OR @dc = "20040319" OR @rlad<= "20040319") AND ("438".CLAS. OR "257".CLAS.) and (fin\$1fet)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 08:01
S46	272	I((YMANGAM.IN. OR WAKABAYASH.IN. OR TAKBLOHIN. OR OGLINA IN. OR TAMBAKAIN. OR NOMURA IN. OR TAKEDA IN. OR TATSJM.IN. OR WATANABEIN. OR TERASHIMA IN.) AND (@pd.e. "20040319" OR @ad.e. "20040319") AND ("438". CLAS. OR "257". CLAS.)) AND (fin81tet OR fin OR (fin ad Jypo).	US-PCPUB; USPAT; USOCR; FPRS; EFO; JPO; DERWENT; IBM_TDB	ADJ	OK	2009/04/08 13:31
S47	144	((CMP same (fin or fin\$1fet or "fin-type")) AND (@pd<="20040319" OR @pd<="20040319" OR @rlad<="20040319") AND ("438".CLAS, OR "257".CLAS,)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 13:32
S49	11551	((multigate OR "multi-gate" OR trigate OR "tri-gate" OR "fin-fet" OR fin) AND (@pdc="20040319" OR @pdc="20040319" OR @rlad<="20040319" OR @rlad<="20040319") AND ("438".CLAS. OR "257".CLAS.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 14:18
\$50	1353	S49 AND (dummy OR assist OR assisted)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 14:19
S51	1007	S50 AND (encapsulat\$3 OR protect\$3 OR surround\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 14:20
S52	399	S51 AND (gate)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 14:21
S54	682	((fin\$1fet OR (fin adj fet)) AND (@pdc ="20040319" OR @adc ="20040319" OR @rladc ="20040319") AND ("438".QLAS OR "257".QLAS.)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 14:25
\$55	9719	(257/347,368,401.0QLS, OR 438/149,151,157,164,283,284,0QLS.) AND (@pd<= "20040319" OR @ad<="20040319" OR @rlad<= "20040319")	US-PGPUB; USPAT; USOOR; FPRS; EPO; JPO; DERWENT; IBM TDB	ADJ	ON	2009/04/08 14:26

S56	262	S55 AND (fin\$1fet OR (fin adj fet))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 14:27
S57	15	((gate near contact) near2 silicon ) same (finfet or fin\$1fet)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 15:52
S65	16	((contact same dummy) same fin) and (fin \$1fet or finfet)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 16:20
S66	7	((585) AND (@pd<="20040319" OR (@ad<="20040319" OR (@rlad<="20040319"))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 16:21
S67	3	[@pd<="20040319" CR @ad<="20040319" CR @lad<="20040319" AND ((finfet or fin \$1fet) same3 ( (gate near contact\$2) same (isolation or STI or HM)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 16:29
S72	29	(gate near3 nitride) same (fin\$1fet or finfet)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/08 17:14
S79	1325	[(("257".QLAS. OR "438".QLAS.) AND ((@pdc="20040319" OR @adc="20040319" OR @adac="20040319") AND ((fin adj fet) OR fin\$1fet OR fin\$1type OR (fin adj type) OR finfet\$5)	US-PGPUB; USPAT; USOCR; FPPS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:15
S80	297	((257/347,365,368,401,OCLS, OR 438/149,151,157,164,283,284,OCLS,) AND ((@pd<= "20040319" OR (@ad<= "20040319" OR (@rlad<= "20040319") AND ((fin adj fet) OR fin§11et OR fin§11ype OR (fin adj type) OR fin(\$15)	US-PGPUB; USPAT; USOCR; FPFS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:15
S82	31	S79 AND (dummy NEAP2 fin\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:16

S83	12	S79 AND ((CMP OR polish\$4) NEAR3 dummy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:18
S84	14	S80 AND (dummy NEAP2 fin\$1)	US-PGPUB; USPAT; USOCR; FPPS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:18
S85	6	S80 AND ((CMP OR polish\$4) NEAR3 idummy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	08	2009/04/09 07:19
S86	945	S79 AND (protect\$3 OR encompass\$3 OR wrap OR encapsulat\$3 OR protect\$3 OR surround\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:20
S87	42	S86 AND ("dummy gate")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:21
S88	52	(S79 AND ("dummy gate")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:22
S89	4776	[((@pd<="20040319" OR @ad<="20040319" OR @ilad<="20040319") AND ((fin adj fet) OR fin\$11et OR fin\$11ype OR (fin adj type) OR finfet\$5 OR MUGFET)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:24
S90	42	S89 AND (dummy NEAP3 fin\$2)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:25
S91	39	S89 AND (gate NEAR2 isolation)	US-PGPUB; USPAT; USOCR; FPPS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:26
S92	68	S89 AND (fin\$1 near surround\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:27

S93	65	S89 AND (gate NEAR2 nitride)	US-PGPUB; USPAT; USCOR; FPRS; EPO; JPO; DERWENT; IBM TDB	ADJ	ON	2009/04/09 07:28
S95	47	((finfet OR "finfet-type" OR "fin-type" OR fin \$1fet OR (fin adj fet) or fin\$1fet\$1) same dummy) AND (@pdc="20040319" OR @ad<="20040319" OR @rlad<="20040319")	US-PGPUB; USPAT; USOCP; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:31
S96	17	7 S89 AND ((isolation or nitride or oxide) NEAR (gate NEAR2 (extend\$3 OR dispos\$3 OR rest\$3))) EPOP USPAT;		ADJ	ON	2009/04/09 07:35
S98	5	[(@pd<="20040319" OR @ad<="20040319" OR @lad<="20040319") AND ((finfet or fin \$1fet) same3 ( (gate near silicon) same (contact)))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:41
S99	0	S99 AND (CMP near fin\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:43
S100	104	S89 AND (CMP SAME fin\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:46
S101	8	S99 AND (CMP near4 fin\$1)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:46
S102	55	(((fin adj fet) OR fin\$1fet OR fin\$1type OR (fin adj type) OR finfet\$5 OR MUGFET) same dummy) AND (@d="20040319" OR @ad<="20040319" OR @rlad<="20040319")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	ON	2009/04/09 07:50
S103	1	*10593300*	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/07 10:38
S104	8	("6611029"   "6642090"   "6645797").PN. OR ("6756643").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/07 11:00
S105	75	("5315143"   "6396108"   "6483171").PN. OR ("6611029").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/07 11:02

S106	109	["20020036290"   "4361600"   "4437226"   "4502913"   "4561932"   "4580331"   "448173"   "4764799"   "4845048"   "4996574"   "5595926"   "5675164"   "5963789"   "5693807"   611793"   "6174741"   "6252284"   "6356452"   "6373123"   "6413802"   "6458662"   "6461889").PN. OR ("6642090").URFN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/07 11:02
S107	11	[("20010036731"   "20020130354"   "20020177263"   "20030057466"   "6611029"   "6642090"   "6645797"   "6689650"   "6756643"),PN. OR ("6982464").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/07 11:02
S108	162	S104 S105 S106 S107	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/07 11:03
S109	16	["20040052948"   "20060088967"   "20060234456"   "20060270181"   "20070099353"   "20070181171"   "20080006852"   "20080128797   "20080220852"   "6252284"   "6413802"   "6642900"   "6609147"   "7196380"   "7256078"   "7382020").PN. OR	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/07 11:04
S110	71	["20030045080"   "20030104663"   "20030104525"   "20030146480"   "20030104525"   "20030235973"   "2004000714"   "20040036693"   "2004000714"   "20040036693"   "2004006114"   "20050036681"   "20050054684"   "20050056881"   "20050064863"   "20050070682"   "20050014896"   "20050076881"   "20050014896"   "2005018695"   "2005018974"   "2005018695"   "2005018974"   "2005018974"   "2005018974"   "2005018974"   "2005018974"   "2005018974"   "20050189898"   "2005019874"   "200501898989"   "2005020942"   "200501898988"   "2005020942"   "200501898989"   "2005020942"   "200501898988"   "20050209842"   "2005021898988"   "20050209842"   "2005021898988"   "20050209842"   "2005021898988"   "20050216985"   "66013484"   "4107838"   "4672419"   "4831411"   "33989773"   "3683838"   "6613023"   "6139655"   "3525189"   "66383879"   "66118676"   "6525391"   "6641866"   640967"   "66060781"   "6617208"   6668637"   "66860671"   "6613060"   66968637"   6696345"   "6713360"   6694500"   "6806045"   "6713360"   6649500"   "614295"   "66366691"   "70225559"   "7034040"   "7321154"   "7322913"   "7332439")   PN.	US-PGPUB; US-PAT; US-OCR	OR	ON	2009/12/07 11:07

S111	33	["20020142530"   "20030102518"   "20030178677"   "20030227036"   "20040031577"   "20040075122"   "20040031577"   "200400125875"   "20040031500"   "2005012173"   "2004023500"   "2005012173"   "20040223500"   "20050124500"   "2005027213"   "20070185703"   "20090061572"   "4892753"   "6413802"   "6703672"   "6716690"   "6756643"   "6787476"   "6815268"   "5943085"   "6892464"   "5962334"   "7005330"   "7901088"   "7766516"   "7276763"   "7282766"   "7329913"   "7361958"	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/07 11:08
S112	10	("20030102518"   "20040217433"   "20060214226"   "5917218"   "5981324"   "6071775"   "6184085"   "6580137"   "6642090"   "7101742").PN. OR ("7566619").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/07 11:08
S113	13	["20060151834"   "20070099353"   "20070161171"   "20080006852"   "20080128979"   "2008020852"   "6252284"   "6413802"   "664290"   "6909147"   "7196380"   "7256078"   "7382020"), PN. OR ("7560785"), URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/07 11:09
S114	17	["20040150029"   "20040259295"   "20040266076"   "20050026377"   "20050035415"   "20050073060"   "20050111251"   "200500124095"   "6642090"   "6696330"   "6720619"   "6838322"   "6867460"   "7023056"   "7164175"   "7172343"   "7233032").PN. (OR ("754797").UFPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/07 11:10
S115	12	["20040262687"   "20050153490"   "20050215016"   "20050258476"   "5920108"   "6642090"   "6660613"   "6706571"   "6762448"   "6835996"   "7056781"   "7388259").PN. OR ("7535061").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/12/07 11:11
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S133	512	S132 not S108	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/07 12:30
S134	53	S133 and (dummy)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2009/12/07 12:31
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## EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default	Plurals	Time Stamp
				Operator		

L4	13239	(257/213,347,368,401.CQLS. OR 438/149,151,157,164,283,284.CQLS.)	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/16 11:42
L5	821	4 and (fin\$1fet\$1)	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/16 11:42
L12	156	4 and (fin with (dummy or assist\$3 or sacrificial\$3))	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/16 11:53
L19	2965	fin\$fet\$1 or (fin with type with M\$FET\$1)	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/16 12:05
L21	837	4 and 19	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/16 12:07
L22	338	21 and ((surround\$3 or clos\$3 or en∞mpass \$3) with (fin\$1 or layer\$1))	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/16 12:08
L23	184	22 and ( (gate or electrode\$1) with (strid\$3 or cover\$3))	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/16 12:08
L24	147	23 not 12	US-PGPUB; USPAT; UPAD	ADJ	ON	2009/12/16 12:09

## 12/16/2009 12:38:31 PM

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